

WHAT IS CLAIMED IS:

- 1 1. An isolated polypeptide corresponding to an N-terminal fragment of human
2 cardiac troponin I consisting of about 95 to about 115 amino acids.
- 1 2. The troponin I fragment of Claim 1 which has an intact, native cardiac
2 troponin I N-terminus.
- 1 3. The troponin I fragment of claim 2 represented by SEQ ID NO:2.
- 1 4. The polynucleotide sequence of a troponin I fragment as set forth in SEQ ID
2 NO:2.
- 1 5. A replicable cloning or expression vehicle comprising a polynucleotide
2 sequence coding for the polypeptide set forth in SEQ ID NO:2.
- 1 6. A host cell transformed with the vehicle of claim 5.
- 1 7. The host cell of claim 6 which is an *E. coli* host cell.
- 1 8. The *E. coli* host cell of claim 7 having the ATCC number 98824.
- 1 9. The troponin I fragment of Claim 1 comprising a sequence from about
2 amino acid 20 to 30, to about amino acid 95 to 115.
- 1 10. A method of preparing antibodies that recognize a stable, in-vivo-occurring
2 fragment of troponin I by using a troponin I fragment of claim 1 as an
3 immunogen.
- 1 11. A method of purifying anti-troponin I antibodies that recognized a stable, in-

2 vivo-occurring fragment of troponin I by using the troponin I fragment of
3 claim 1 as a reagent for affinity purification.

1 12. Calibrators and controls for a troponin I immunoassay comprising a
2 polypeptide of claim 1.

1 13. The calibrators and controls of claim 12 as shown in SEQ ID NO:2.

1 14. A method for the immunodetection of human cardiac troponin I in a bodily
2 fluid utilizing an antibody which is raised against the polypeptide of claim 1.

1 15. A kit for the immunodetection of human cardiac troponin I in a sample of
2 bodily fluid comprising:

- 3 (a) an antibody which is raised against the polypeptide of claim 1;
4 (b) means for determining the extent of interaction of said
5 antibody with troponin I in said sample.

0944397-082001